

Patent Claims

1. Ball pin comprising a ball (12) and a pin (16) connected to the ball, characterized in that the ball  
5 is provided with a recess (18) on its side facing away from the pin, the diameter of said recess corresponding approximately to the diameter of the pin.

2. Ball pin according to Claim 1, characterized in that the pin (16) is provided with knurling (20) so  
10 that it can be pressed into the recess (18) of a second ball pin without any play.

3. Ball joint comprising a ball pin according to one of the preceding claims, characterized in that there is a ball cup (26, 27) made of plastic which is  
15 injected into a connecting part (28).

4. Ball joint according to Claim 3, characterized in that the ball cup (26) is injected onto the ball (12).

5. Ball joint according to either of Claims 3 and  
20 4, characterized in that there is a seal (30, 32) which acts upon the ball cup (26).

6. Ball joint according to Claim 5, characterized in that the ball cup (26) has a groove (34) in which the seal is arranged.

25 7. Ball joint according to either of Claims 5 and 6, characterized in that the seal (32) has an anchoring section (36) which is arranged in the recess (18) and a circular or annular sealing section (38) which bears against the ball cup (26).

8. Ball joint according to one of Claims 3 to 7, characterized in that there is a stop (40) which engages in the recess (18) and defines the maximum possible movement of the ball cup (27) relative to the ball.

9. Ball joint according to Claim 8, characterized in that the stop (40) is made in one piece with the ball cup (27).

10. Assembly consisting of two ball joints according to one of Claims 3 to 9, characterized in that the pin (16) of the ball pin of one ball joint (10) is fitted in the recess (18) of the ball (12) of the second ball pin.